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1. Power distribution techniques for VLSI circuits  
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Stallmann, M.; Hughes, T.; Liu, W.;  
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Digital Object Identifier 10.1109/43.59073  
[AbstractPlus](#) | Full Text: [PDF](#)(1068 KB) IEEE JNL  
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3. Single-layer global routing  
Sarrafzadeh, M.; Kuo-Feng Liao; Wong, C.K.;  
[Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on](#)  
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Digital Object Identifier 10.1109/43.273751  
[AbstractPlus](#) | Full Text: [PDF](#)(872 KB) IEEE JNL  
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Scanlan, R.; McInturff, A.D.; Taylor, C.E.; Caspi, S.; Dell'Orco, D.; Higley, H.; Gourlay, S.; Bossert, A.V.;  
[Applied Superconductivity, IEEE Transactions on](#)  
Volume 7, Issue 2, Part 1, June 1997 Page(s):936 - 938  
Digital Object Identifier 10.1109/77.614658  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(520 KB) IEEE JNL  
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5. VLSI circuit placement with rectilinear modules using three-layer force-directed self-organiz  
Ray-I Chang; Pei-Yung Hsiao;  
[Neural Networks, IEEE Transactions on](#)  
Volume 8, Issue 5, Sept. 1997 Page(s):1049 - 1064  
Digital Object Identifier 10.1109/72.623207

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6. High frequency measurements and simulations on wire-bonded modules on the sequential I (SBU's)  
Sihlbom, R.; Demevik, M.; Lindgren, M.; Starski, J.P.; Lai, Z.; Liu, J.;  
[Components, Packaging, and Manufacturing Technology, Part A, IEEE Transactions on \[see also \(and Manufacturing Technology, IEEE Transactions on\)\]](#)  
Volume 21, Issue 3, Sept. 1998 Page(s):478 - 491  
Digital Object Identifier 10.1109/95.725212  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(344 KB\)](#) IEEE JNL  
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7. Optimal n-tier multilevel Interconnect architectures for gigascale integration (GSI)  
Venkatesan, R.; Davis, J.A.; Bowman, K.A.; Meindl, J.D.;  
[Very Large Scale Integration \(VLSI\) Systems, IEEE Transactions on](#)  
Volume 9, Issue 6, Dec. 2001 Page(s):899 - 912  
Digital Object Identifier 10.1109/92.974903  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(279 KB\)](#) IEEE JNL  
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8. Development of (Nb,Ta)<sub>3</sub>Sn multifilamentary superconductors using Osprey bronze with hig  
Abacherli, V.; Seeber, B.; Walker, E.; Flukiger, R.; Thiele, W.; Perenboom, J.A.A.J.;  
[Applied Superconductivity, IEEE Transactions on](#)  
Volume 11, Issue 1, Part 3, March 2001 Page(s):3667 - 3670  
Digital Object Identifier 10.1109/77.919860  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(576 KB\)](#) IEEE JNL  
[Rights and Permissions](#)
9. Optimization of endoluminal loop radiofrequency coils for gastrointestinal wall MR Imaging  
Armenean, M.; Beuf, O.; Pilleul, F.; Saint-James, H.;  
[Sensors Journal, IEEE](#)  
Volume 4, Issue 1, Feb. 2004 Page(s):57 - 64  
Digital Object Identifier 10.1109/JSEN.2003.820334  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(520 KB\)](#) IEEE JNL  
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10. Interconnect and thermal-aware floorplanning for 3D microprocessors  
Hung, W.-L.; Link, G.M.; Yuan Xie; Vijaykrishnan, N.; Irwin, M.J.;  
[Quality Electronic Design, 2006. ISQED '06. 7th International Symposium on](#)  
27-29 March 2006 Page(s):6 pp.  
Digital Object Identifier 10.1109/ISQED.2006.77  
[AbstractPlus](#) | Full Text: [PDF\(296 KB\)](#) IEEE CNF  
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11. Enabling technologies for wafer-level bonding of 3D MEMS and integrated circuit structures  
Topol, A.W.; Furman, B.K.; Guarini, K.W.; Shi, L.; Cohen, G.M.; Walker, G.F.;  
[Electronic Components and Technology Conference, 2004. Proceedings. 54th](#)  
Volume 1, 1-4 June 2004 Page(s):931 - 938 Vol.1  
Digital Object Identifier 10.1109/ECTC.2004.1319449  
[AbstractPlus](#) | Full Text: [PDF\(1153 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
12. Analytic model for area and power constrained optimal repeater insertion  
Garcea, G.S.; van der Meijs, N.P.; Otten, R.H.J.M.;  
[Solid-State Circuits Conference, 2003. ESSCIRC '03. Proceedings of the 29th European](#)  
16-18 Sept. 2003 Page(s):591 - 594  
Digital Object Identifier 10.1109/ESSCIRC.2003.1257204  
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Zhong-Fang Jin; Jean-Jacques Laurin; Savaria, Y.;

[Electrical and Computer Engineering, 2003. IEEE CCECE 2003. Canadian Conference on Volume 1, 4-7 May 2003 Page\(s\):5 - 8 vol.1](#)

Digital Object Identifier 10.1109/CCECE.2003.1226331

[AbstractPlus](#) | Full Text: [PDF\(326 KB\)](#) IEEE CNF[Rights and Permissions](#)**14. A novel metric for interconnect architecture performance**

Dasgupta, P.; Kahng, A.B.; Muddu, S.;

[Design, Automation and Test in Europe Conference and Exhibition, 2003](#)

2003 Page(s):448 - 453

Digital Object Identifier 10.1109/DATE.2003.1253650

[AbstractPlus](#) | Full Text: [PDF\(323 KB\)](#) IEEE CNF[Rights and Permissions](#)**15. Analysis of noise avoidance techniques in DSM interconnects using a complete crosstalk model**

Becer, M.R.; Blaauw, D.; Zolotov, V.; Panda, R.; Hajj, I.N.;

[Design, Automation and Test in Europe Conference and Exhibition, 2002. Proceedings](#)

4-8 March 2002 Page(s):456 - 463

Digital Object Identifier 10.1109/DATE.2002.998313

[AbstractPlus](#) | Full Text: [PDF\(400 KB\)](#) IEEE CNF[Rights and Permissions](#)**16. Repeater and interconnect strategies for high-performance physical designs**

Muddu, S.; Sarto, E.; Hofmann, M.; Bashteen, A.;

[Integrated Circuit Design, 1998. Proceedings. XI Brazilian Symposium on](#)

30 Sept.-3 Oct. 1998 Page(s):226 - 231

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 Jin Soo Kim; Jin Hong Lee; Sung Ui Hong; Ho-Sang Kwack; Byung Seok Choi; Dae Kon Oh;  
[Photonics Technology Letters, IEEE](#)  
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 Maranville, B.B.; McMichael, R.D.; Dennis, C.L.; Ross, C.A.; Cheng, J.Y.;  
[Magnetics, IEEE Transactions on](#)  
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 Digital Object Identifier 10.1109/TMAG.2006.878417  
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Brennemann, A.E.;  
[Proceedings of the IEEE](#)  
Volume 51, Issue 3, March 1963 Page(s):442 - 451  
[AbstractPlus](#) | Full Text: [PDF](#)(933 KB) IEEE JNL  
[Rights and Permissions](#)
-  11. **A new circuit configuration for a single-transistor cell using Al-gate technology with reduce**  
Meusburger, G.;  
[Solid-State Circuits. IEEE Journal of](#)  
Volume 12, Issue 3, Jun 1977 Page(s):253 - 257  
[AbstractPlus](#) | Full Text: [PDF](#)(736 KB) IEEE JNL  
[Rights and Permissions](#)
-  12. **The spatial distribution of flux waveform across the limbs in a three-phase transformer core**  
Basak, A.;  
[Magnetics. IEEE Transactions on](#)  
Volume 16, Issue 3, May 1980 Page(s):540 - 544  
[AbstractPlus](#) | Full Text: [PDF](#)(472 KB) IEEE JNL  
[Rights and Permissions](#)
-  13. **Bibliograpy of thin magnetic films (1963-1967)**  
Chang, H.; Lin, Y.;  
[Magnetics. IEEE Transactions on](#)

Volume 3, Issue 4, Dec 1967 Page(s):653 - 700

[AbstractPlus](#) | Full Text: [PDF](#)(5744 KB) IEEE JNL

[Rights and Permissions](#)



14. Lateral scaling effects on high-current transients in submicrometer bipolar transistors

Hamasaki, T.; Wada, T.; Shigyo, N.; Yoshimi, M.;

[Electron Devices, IEEE Transactions on](#)

Volume 35, Issue 10, Part 1, Oct. 1988 Page(s):1620 - 1626

Digital Object Identifier 10.1109/16.7363

[AbstractPlus](#) | Full Text: [PDF](#)(572 KB) IEEE JNL

[Rights and Permissions](#)



15. TRIM: testability range by ignoring the memory

Carter, L.; Huisman, L.M.; Williams, T.W.;

[Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on](#)

Volume 7, Issue 1, Jan. 1988 Page(s):38 - 49

Digital Object Identifier 10.1109/43.3128

[AbstractPlus](#) | Full Text: [PDF](#)(1176 KB) IEEE JNL

[Rights and Permissions](#)



16. Solder bumper formation using electroless plating and ultrasonic soldering

Inaba, M.; Yamakawa, K.; Iwase, N.;

[Components, Hybrids, and Manufacturing Technology, IEEE Transactions on \[see also IEEE Trans. Packaging, and Manufacturing Technology, Part A, B, C\]](#)

Volume 13, Issue 1, Mar 1990 Page(s):119 - 123

Digital Object Identifier 10.1109/33.52858

[AbstractPlus](#) | Full Text: [PDF](#)(380 KB) IEEE JNL

[Rights and Permissions](#)



17. Poisson modeling of ultraconfined AlGaAs-GaAs semiconductor devices with selective dop

Bigelow, J.M.; Leburton, J.P.; Klejwa, M.; Adesida, I.;

[Electron Devices, IEEE Transactions on](#)

Volume 37, Issue 3, Part 1, March 1990 Page(s):821 - 823

Digital Object Identifier 10.1109/16.47797

[AbstractPlus](#) | Full Text: [PDF](#)(252 KB) IEEE JNL

[Rights and Permissions](#)



18. A process for fabricating submicron all-refractory Josephson tunnel junction circuits

Dang, H.; Radparvar, M.;

[Magnetics, IEEE Transactions on](#)

Volume 27, Issue 2, Part 4, Mar 1991 Page(s):3157 - 3160

Digital Object Identifier 10.1109/20.133881

[AbstractPlus](#) | Full Text: [PDF](#)(408 KB) IEEE JNL

[Rights and Permissions](#)



19. Determination of differences in the density of silicon single crystals by observing their float pressures

Kozdon, A.F.; Spieweck, F.;

[Instrumentation and Measurement, IEEE Transactions on](#)

Volume 41, Issue 3, June 1992 Page(s):420 - 426

Digital Object Identifier 10.1109/19.153340

[AbstractPlus](#) | Full Text: [PDF](#)(540 KB) IEEE JNL

[Rights and Permissions](#)



20. Mobility modulation in a quasi-one-dimensional Si-MOSFET with a dual-gate structure

Matsuoka, H.; Ichiguchi, T.; Yoshimura, T.; Takeda, E.;

[Electron Device Letters, IEEE](#)

Volume 13, Issue 1, Jan. 1992 Page(s):20 - 22

Digital Object Identifier 10.1109/55.144938



[AbstractPlus](#) | Full Text: [PDF\(224 KB\)](#) IEEE JNL

[Rights and Permissions](#)



**21. Design of sealed cavity microstructures formed by silicon wafer bonding**

Huff, M.A.; Nikolich, A.D.; Schmidt, M.A.;

[Microelectromechanical Systems, Journal of](#)

Volume 2, Issue 2, June 1993 Page(s):74 - 81

Digital Object Identifier 10.1109/84.232603

[AbstractPlus](#) | Full Text: [PDF\(888 KB\)](#) IEEE JNL

[Rights and Permissions](#)



**22. Analysis of resistance behavior in Ti- and Ni-sallicided polysilicon films**

Ohguro, T.; Nakamura, S.; Koike, M.; Morimoto, T.; Nishiyama, A.; Ushiku, Y.; Yoshitomi, T.; Ono,

[Electron Devices, IEEE Transactions on](#)

Volume 41, Issue 12, Dec. 1994 Page(s):2305 - 2317

Digital Object Identifier 10.1109/16.337443

[AbstractPlus](#) | Full Text: [PDF\(1444 KB\)](#) IEEE JNL

[Rights and Permissions](#)



**23. High current densities and associated failure mechanisms in long narrow Ti/sub 2/Ba/sub 2/ films**

Holstein, W.L.; Wilker, C.; Pang, P.S.W.; Laubacher, D.B.; McKenna, S.P.; Face, D.W.;

[Applied Superconductivity, IEEE Transactions on](#)

Volume 5, Issue 2, Part 2, Jun 1995 Page(s):1693 - 1696

Digital Object Identifier 10.1109/77.402902

[AbstractPlus](#) | Full Text: [PDF\(464 KB\)](#) IEEE JNL

[Rights and Permissions](#)



**24. Effect of overvoltage on the risetime and amplitude of PD pulses**

Bartnikas, R.; Novak, J.P.;

[Dielectrics and Electrical Insulation, IEEE Transactions on](#) [see also [Electrical Insulation, IEEE Tra](#)

Volume 2, Issue 4, Aug. 1995 Page(s):557 - 566

Digital Object Identifier 10.1109/94.407021

[AbstractPlus](#) | Full Text: [PDF\(776 KB\)](#) IEEE JNL

[Rights and Permissions](#)



**25. High-density and high-quality frame transfer CCD imager with very low smear, low dark current sensitivity**

Hagiwara, Y.;

[Electron Devices, IEEE Transactions on](#)

Volume 43, Issue 12, Dec. 1996 Page(s):2122 - 2130

Digital Object Identifier 10.1109/16.544383

[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1432 KB\)](#) IEEE JNL

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- 1. Resonant tunneling through double barriers, perpendicular quantum transport phenomena I their device applications**  
 Capasso, F.; Mohammed, K.; Cho, A.;  
[Quantum Electronics, IEEE Journal of](#)  
 Volume 22, Issue 9, Sep 1986 Page(s):1853 - 1869  
[AbstractPlus](#) | Full Text: [PDF](#)(6112 KB) IEEE JNL  
[Rights and Permissions](#)
- 2. Striped-substrate double-heterostructure lasers**  
 Burnham, R.; Scifres, D.; Tramontana, J.; Alimonda, A.;  
[Quantum Electronics, IEEE Journal of](#)  
 Volume 11, Issue 7, Part 1, Jul 1975 Page(s):418 - 420  
[AbstractPlus](#) | Full Text: [PDF](#)(488 KB) IEEE JNL  
[Rights and Permissions](#)
- 3. Polarization-Insensitive quantum-well semiconductor optical amplifiers**  
 Koonath, P.; Sangin Kim; Woon-Jo Cho; Gopinath, A.;  
[Quantum Electronics, IEEE Journal of](#)  
 Volume 38, Issue 9, Sept. 2002 Page(s):1282 - 1290  
 Digital Object Identifier 10.1109/JQE.2002.802445  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(319 KB) IEEE JNL  
[Rights and Permissions](#)
- 4. Electromagnetic and physical properties of sea ice formed in the presence of wave action**  
 Onstott, R.G.; Gogineni, P.; Gow, A.J.; Grenfell, T.C.; Jezek, K.C.; Perovich, D.K.; Swift, C.T.;  
[Geoscience and Remote Sensing, IEEE Transactions on](#)  
 Volume 36, Issue 5, Part 2, Sept. 1998 Page(s):1764 - 1783  
 Digital Object Identifier 10.1109/36.718644  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(512 KB) IEEE JNL  
[Rights and Permissions](#)
- 5. Optical line shape functions in quantum-well and quantum-wire structures**  
 Ohtoshi, T.; Yamanishi, M.;  
[Quantum Electronics, IEEE Journal of](#)  
 Volume 27, Issue 1, Jan. 1991 Page(s):46 - 53  
 Digital Object Identifier 10.1109/3.73540  
  
[AbstractPlus](#) | Full Text: [PDF](#)(588 KB) IEEE JNL

[Rights and Permissions](#)

-  6. InAs-InAlGaAs quantum dot DFB lasers based on InP [001]  
Jin Soo Kim; Jin Hong Lee; Sung Ui Hong; Ho-Sang Kwack; Byung Seok Choi; Dae Kon Oh;  
[Photonics Technology Letters, IEEE](#)  
Volume 18, Issue 4, Feb. 15, 2006 Page(s):595 - 597  
Digital Object Identifier 10.1109/LPT.2006.870187  
[AbstractPlus](#) | Full Text: [PDF](#)(472 KB) IEEE JNL  
[Rights and Permissions](#)
-  7. Reduction of propagation loss to 0.1 dB/mm: flat-core channel waveguides consisting of per  
Ohkubo, H.; Ohtera, Y.; Miura, K.; Akutsu, N.; Hikage, M.; Kawakami, S.;  
[Photonics Technology Letters, IEEE](#)  
Volume 16, Issue 4, April 2004 Page(s):1068 - 1070  
Digital Object Identifier 10.1109/LPT.2004.824628  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(232 KB) IEEE JNL  
[Rights and Permissions](#)
-  8. A short-period GaAs-AlGaAs quantum-wire array laser with a submicrometer current block  
Tae-Geun Kim; Kyung-Hyun Park; Eun Kyu Kim; Suk-Ki Min; Jung-Ho Park;  
[Photonics Technology Letters, IEEE](#)  
Volume 9, Issue 1, Jan. 1997 Page(s):2 - 4  
Digital Object Identifier 10.1109/68.554151  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(364 KB) IEEE JNL  
[Rights and Permissions](#)
-  9. Low threshold current density operation of GaInAsP-InP laser with multiple reflector microc  
Ki-Chul Shin; Tamura, M.; Kasukawa, A.; Serizawa, N.; Kurihashi, S.; Tamura, S.; Arai, S.;  
[Photonics Technology Letters, IEEE](#)  
Volume 7, Issue 10, Oct. 1995 Page(s):1119 - 1121  
Digital Object Identifier 10.1109/68.466562  
[AbstractPlus](#) | Full Text: [PDF](#)(300 KB) IEEE JNL  
[Rights and Permissions](#)
-  10. Computer-controlled technique for cutting curved grooves in polished fiber-optic coupler su  
Dahlgren, R.P.; Katis, N.H.;  
[Photonics Technology Letters, IEEE](#)  
Volume 5, Issue 10, Oct. 1993 Page(s):1227 - 1230  
Digital Object Identifier 10.1109/68.248436  
[AbstractPlus](#) | Full Text: [PDF](#)(424 KB) IEEE JNL  
[Rights and Permissions](#)
-  11. Electron Beams and Their Applications in Low Voltage Devices  
Thompson, H.C.;  
[Proceedings of the IRE](#)  
Volume 24, Issue 10, Oct. 1936 Page(s):1276 - 1297  
[AbstractPlus](#) | Full Text: [PDF](#)(2424 KB) IEEE JNL  
[Rights and Permissions](#)
-  12. Tunable and Sensitive Biophotonic Waveguides Based on Photonic-Bandgap Microcavities  
Png, C.E.; Lim, S.T.; Li, E.P.; Reed, G.T.;  
[Nanotechnology, IEEE Transactions on](#)  
Volume 5, Issue 5, Sept. 2006 Page(s):478 - 484  
Digital Object Identifier 10.1109/TNANO.2006.881275  
[AbstractPlus](#) | Full Text: [PDF](#)(616 KB) IEEE JNL  
[Rights and Permissions](#)
-  13. Nanometer scale electrode separation (nanogap) using electromigration at room temperatur

Mahapatro, A.K.; Ghosh, S.; Janes, D.B.;  
[Nanotechnology, IEEE Transactions on](#)  
Volume 5, Issue 3, May 2006 Page(s):232 - 236  
Digital Object Identifier 10.1109/TNANO.2006.874053  
[AbstractPlus](#) | Full Text: [PDF](#)(944 KB) IEEE JNL  
[Rights and Permissions](#)



14. Replicated polymeric optical waveguide devices with large core connectable to plastic optic thermo-plastic and thermo-curable resins  
Mizuno, H.; Sugihara, O.; Jordan, S.; Okamoto, N.; Ohama, M.; Kaino, T.;  
[Lightwave Technology, Journal of](#)  
Volume 24, Issue 2, Feb. 2006 Page(s):919 - 926  
Digital Object Identifier 10.1109/JLT.2005.862454  
[AbstractPlus](#) | Full Text: [PDF](#)(368 KB) IEEE JNL  
[Rights and Permissions](#)



15. Low-threshold and high-efficiency operation of distributed reflector lasers with width-modul regions  
Ohira, K.; Murayama, T.; Tamura, S.; Arai, S.;  
[Selected Topics in Quantum Electronics, IEEE Journal of](#)  
Volume 11, Issue 5, Sept.-Oct. 2005 Page(s):1162 - 1168  
Digital Object Identifier 10.1109/JSTQE.2005.854147  
[AbstractPlus](#) | Full Text: [PDF](#)(264 KB) IEEE JNL  
[Rights and Permissions](#)



16. An x-axis single-crystalline silicon microgyroscope fabricated by the extended SBM process  
Jongpal Kim; Sangjun Park; Donghun Kwak; Hyoungho Ko; Cho, D.D.;  
[Microelectromechanical Systems, Journal of](#)  
Volume 14, Issue 3, June 2005 Page(s):444 - 455  
Digital Object Identifier 10.1109/JMEMS.2005.844799  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(1696 KB) IEEE JNL  
[Rights and Permissions](#)



17. Microwave properties of self-aligned GaAs/AlGaAs heterojunction bipolar transistors on sili  
Fischer, R.; Klem, J.; Peng, C.K.; Gedymin, J.S.; Morkoc, H.;  
[Electron Device Letters, IEEE](#)  
Volume 7, Issue 2, Feb 1986 Page(s):112 - 114  
[AbstractPlus](#) | Full Text: [PDF](#)(392 KB) IEEE JNL  
[Rights and Permissions](#)



18. Topography of obliquely evaporated silicon oxide films and its effect on liquid-crystal orient  
Goodman, L.A.; McGinn, J.T.; Anderson, C.H.; DiGeronimo, F.;  
[Electron Devices, IEEE Transactions on](#)  
Volume 24, Issue 7, Jul 1977 Page(s):795 - 804  
[AbstractPlus](#) | Full Text: [PDF](#)(1536 KB) IEEE JNL  
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19. Dependence of GaAs power MESFET microwave performance on device and material param  
Macksey, H.M.; Adams, R.L.; McQuiddy, D.N., Jr.; Shaw, D.W.; Wisseman, W.R.;  
[Electron Devices, IEEE Transactions on](#)  
Volume 24, Issue 2, Feb 1977 Page(s):113 - 122  
[AbstractPlus](#) | Full Text: [PDF](#)(1296 KB) IEEE JNL  
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20. Design and manufacture of a microwave low-noise transistor having beam-leads  
Pestie, J.-P.; Fourier, J.-Y.;  
[Electron Devices, IEEE Transactions on](#)  
Volume 24, Issue 2, Feb 1977 Page(s):73 - 79

[AbstractPlus](#) | Full Text: [PDF\(912 KB\)](#) IEEE JNL  
[Rights and Permissions](#)



**21. Josephson edge-junction devices using E-beam lithography**

Vettiger, P.; Moore, D.F.; Forster, T.;  
[Electron Devices, IEEE Transactions on](#)  
Volume 28, Issue 11, Nov 1981 Page(s):1385 - 1393

[AbstractPlus](#) | Full Text: [PDF\(2440 KB\)](#) IEEE JNL  
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**22. Edge-defined patterning of hyperfine refractory metal silicide MOS structures**

Okazaki, S.; Chow, T.P.; Steckl, A.J.;  
[Electron Devices, IEEE Transactions on](#)  
Volume 28, Issue 11, Nov 1981 Page(s):1364 - 1368

[AbstractPlus](#) | Full Text: [PDF\(1008 KB\)](#) IEEE JNL  
[Rights and Permissions](#)



**23. Coplanar gas-discharge display**

Anandan, M.; Wadhwa, R.P.; Satyam, M.; Savor, K.R.;  
[Electron Devices, IEEE Transactions on](#)  
Volume 28, Issue 9, Sep 1981 Page(s):1035 - 1042

[AbstractPlus](#) | Full Text: [PDF\(1064 KB\)](#) IEEE JNL  
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**24. A new fusible-type programmable element composed of Aluminum and polysilicon**

Fukuda, Y.; Kohda, S.; Masuda, K.; Kitano, Y.;  
[Electron Devices, IEEE Transactions on](#)  
Volume 33, Issue 2, Feb 1986 Page(s):250 - 253

[AbstractPlus](#) | Full Text: [PDF\(896 KB\)](#) IEEE JNL  
[Rights and Permissions](#)



**25. Electrical performance and physics of isolation region structures for VLSI**

Goodwin, S.H.; Plummer, J.D.;  
[Electron Devices, IEEE Transactions on](#)  
Volume 31, Issue 7, Jul 1984 Page(s):861 - 872

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